

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE TRAFFIC CONTROL SIGNALS AT THE INTERSECTION OF MD 223 (PISCATAWAY RD) AT TEMPLE HILL RD DUE TO THE ADDITION OF A LEFT TURN LANE ON SOUTHBOUND TEMPLE HILL ROAD IN PRINCE GEORGE'S COUNTY. MD 223 (PISCATAWAY RD) IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA-FOUR-PHASE FULLY ACTUATED MODE. THE MOVEMENTS ON MD 223 (PISCATAWAY RD) WILL OPERATE CONCURRENTLY. THE MOVEMENTS ON TEMPLE HILL RD WILL OPERATE CONCURRENTLY.

SPECIAL NOTES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND SHALL PROPERLY TAG AND LABEL EACH CABLE.

EQUIPMENT LIST A

A. EQUIPMENT TO BE FURNISHED AND INSTALLED BY SHA  
NONE

PROJECT CONTACTS

THE CONTACT PERSONS FOR DISTRICT #3 ARE AS FOLLOWS:

MR. BRIAN YOUNG  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE: 301-513-7358

MR. AUGIE REBISH  
ASSISTANT DISTRICT ENGINEER - UTILITIES  
PHONE: 301-513-7350

MR. WAYNE MOWDY  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
PHONE: 301-513-7304

MR. EDWARD RODENHIZER  
CHIEF, SHA TRAFFIC SIGNAL SHOP  
PHONE: 410-787-7650

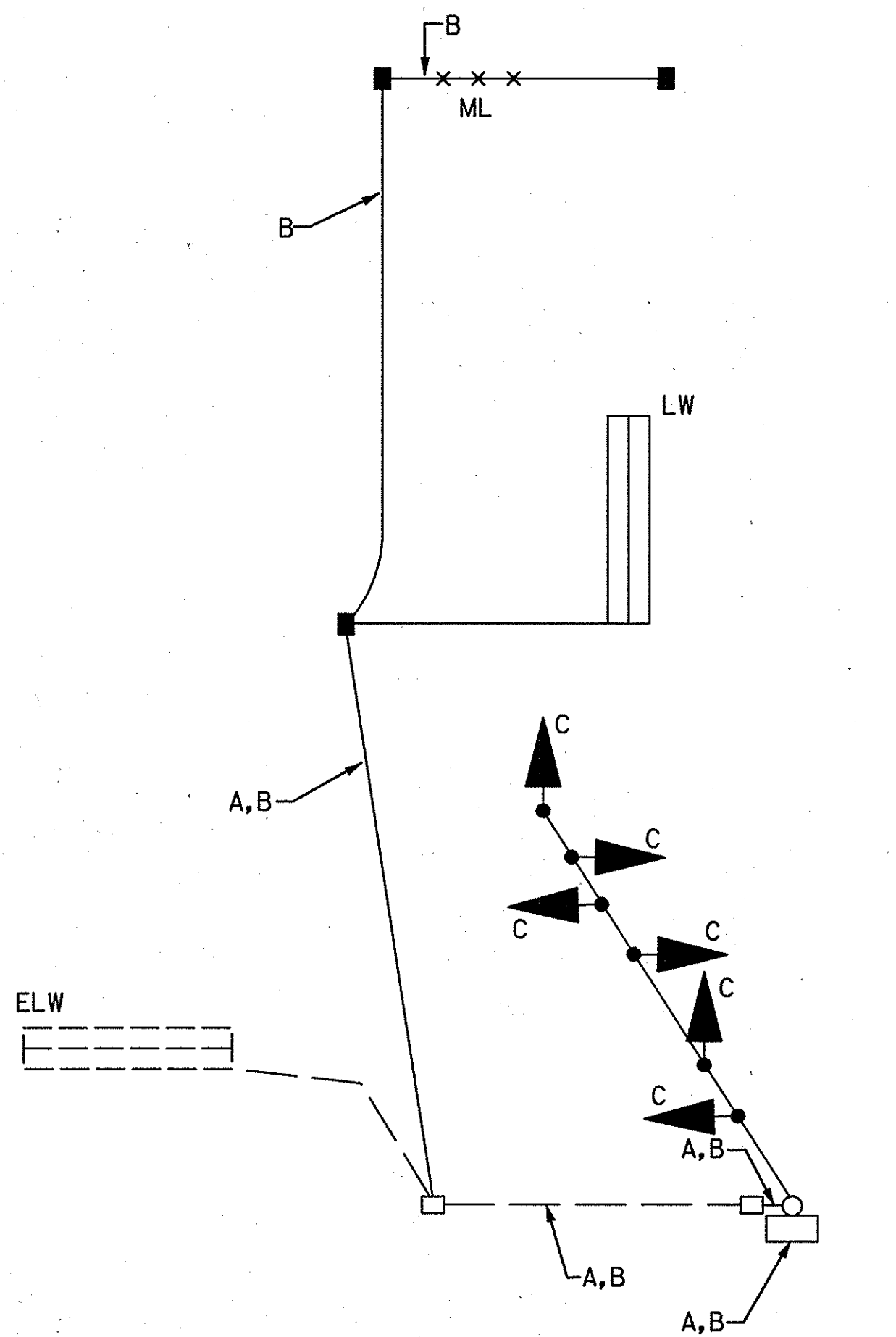
MR. RICHARD DAFF, SR.  
CHIEF, TRAFFIC OPERATIONS DIVISION  
PHONE: 410-787-7630

EQUIPMENT LIST B

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NUMBER	SPEC SECTION	QUANTITY	DESCRIPTION
585624	556	30 L.F.	24 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
585610	556	90 L.F.	10 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
805115	805	50 L.F.	3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT-BORED
805118	805	110 L.F.	4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT-BORED
805135	805	230 L.F.	3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT-TRENCHED
810601	805	30 L.F.	1 IN. LIQUID TIGHT FLEXIBLE NON METALLIC CONDUIT
811001	811	2 EA.	ELECTRICAL HANDHOLE
813015	813	8 S.F.	FURNISH AND INSTALL OVERHEAD SIGN
861104	810	340 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (NO.14 AWG)
862101	810	600 L.F.	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO.14 AWG)
862102	810	150 L.F.	SAW CUT FOR SIGNAL (LOOP DETECTOR)
800000	810	1 EA.	MICRO-LOOP NON-INVASIVE PROBE SET WITH 1000 FT. LEAD IN
800000	810	1 EA.	REMOVE EXISTING HAND HOLE
800000	810	8 S.F.	REMOVE EXISTING OVERHEAD SIGN
860272	814	20 EA.	12 IN. VEHICULAR TRAFFIC SIGNAL HEAD SECTION

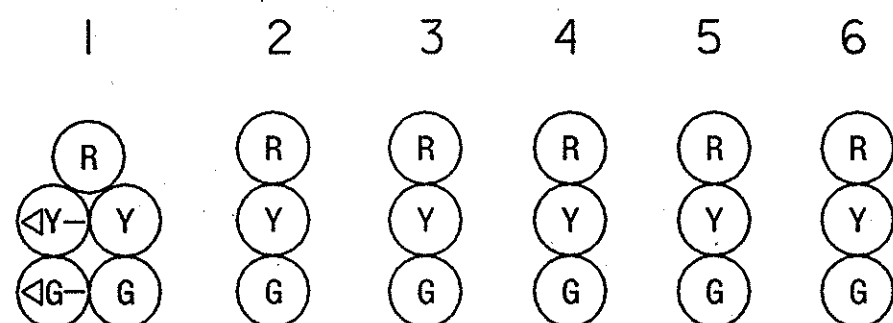
WIRING DIAGRAM



- A ELECTRICAL CABLE 2-CONDUCTOR (NO.14 AWG)  
B MICRO-LOOP 1000 FT. LEAD IN  
C USE EXISTING WIRE  
LW LOOP WIRE  
ELW EXISTING LOOP WIRE  
ML ML MICRO-LOOP NON INVASIVE PROBE SET

THE WILSON T. BALLARD CO.  
CONSULTING ENGINEERS  
OWINGS MILLS, MARYLAND

PHASE CHART



	1	2	3	4	5	6	
PHASE 1+6	G	G	R	R	R	R	↑
1+6 CHANGE	G	G	R	R	R	R	→
PHASE 2+6	G	G	G	G	R	R	↑
2+6 CHANGE	Y	Y	Y	Y	R	R	→
PHASE 4	R	R	R	R	G	G	↓
4 CHANGE	R	R	R	R	Y	Y	↓
FLASHING OPERATION	FL	FL	FL	FL	FL	FL	↕

EQUIPMENT LIST C

C. ALL EQUIPMENT NOT LISTED BELOW SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

SHA No: BW104M84  
MD 223 @ Temple Hill Rd



STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFO SHEET  
MD 223 AT TEMPLE HILL RD

REVISIONS	SCALE	DATE	CONTRACT NO.
	NONE	SEPT 2005	746-H (B)
	DESIGNED BY MB	COUNTY PRINCE GEORGES	
	DRAWN BY MB	LOGMILE 16022305.26	
	CHECKED BY PDU	T.I.M.S. NO.	
	F.A.P. NO.	TOD NO.	
	DRAWING NO.	OF	SHEET NO. 23 OF 28